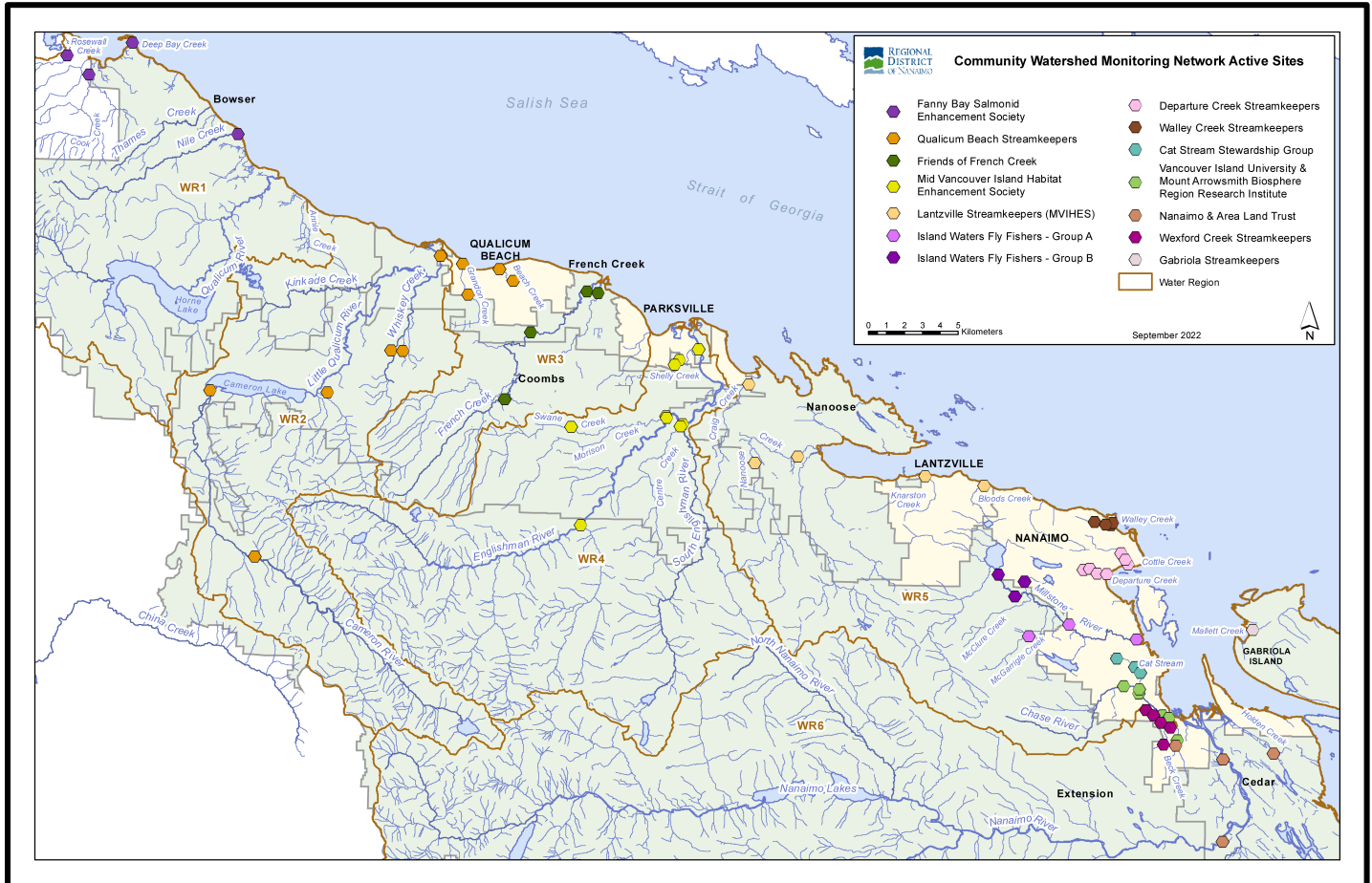


Community Watershed Monitoring Network

2022 Results by Water Region



Included in Water Region (WR) 6 package:

1. CWMN WR6 sample sites
2. How to interpret a box plot
3. Box Plot Comparison – 2022 data to previous years: *displayed by parameter (Turbidity, Dissolved Oxygen, Temperature, Conductivity) & sample period (summer, fall)*
4. Wexford Creek Streamkeepers (WxCS) map
5. Nanaimo Area Land Trust (NALT) map
6. Vancouver Island University Mount Arrowsmith Biosphere Region Research Institute (VIU MABRRI) map



Water Region 6
sampled by:

Wexford Creek Streamkeepers (WxCS)
&
Nanaimo Area Land Trust (NALT)
&
VIU Mount Arrowsmith Biosphere Region Research institute (VIU MABRRI)

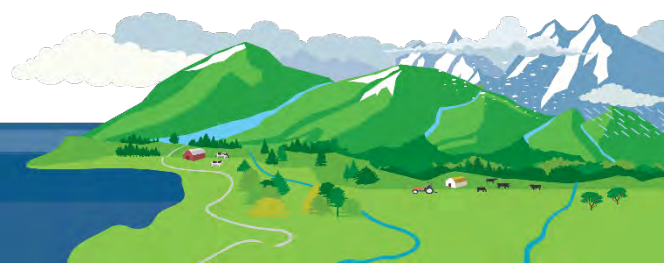


WR6 CWMN Sample Sites:

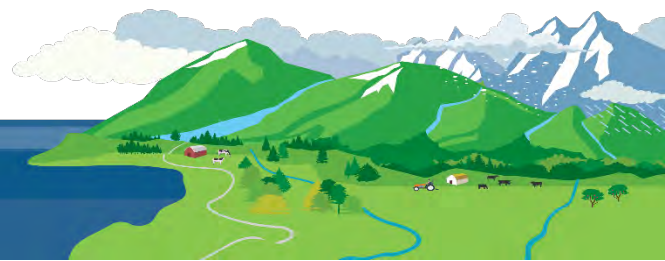
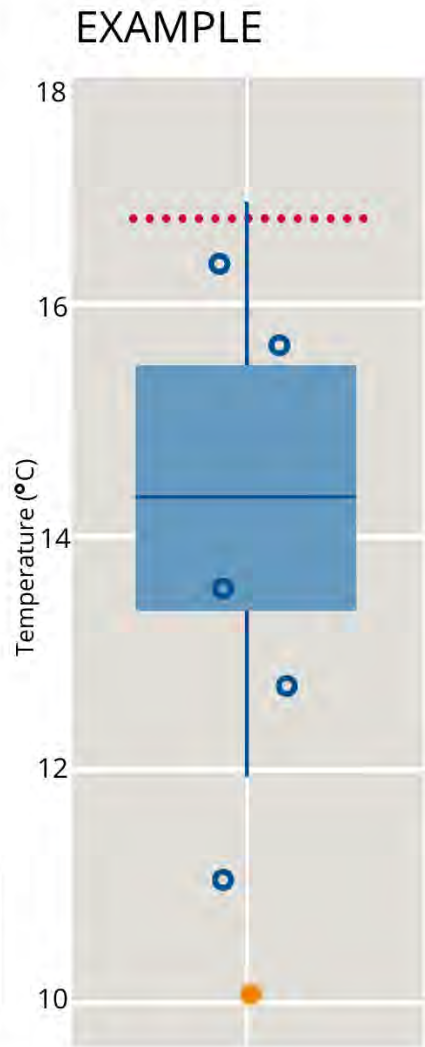
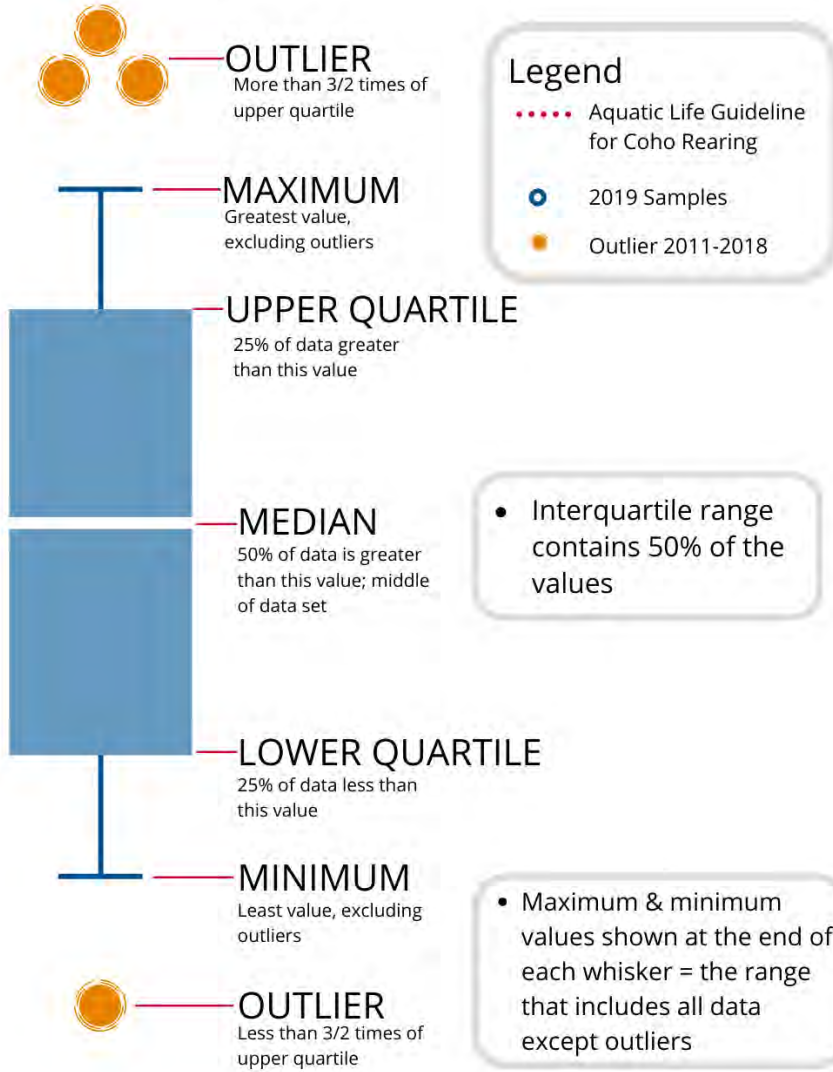
The table below shows the sites monitored by each of the streamkeeper organizations, as well as the number of years and which years a site was sampled. The number of years is important to keep in mind when interpreting the box plots as the plot for each site may contain a slightly different temporal range.

Group	EMS ID	Geographic Description	Years Sampled	Years Monitored
WxCS	E318155	South Wexford Ck at Community Park (Glenford Pl)	4	2019 - present
WxCS	E318152	Wexford Ck just d/s Douglas Ave	4	2019 - present
WxCS	E318172	Wexford Ck just u/s seniors complex	4	2019 - present
WxCS	E318153	Wexford Ck just d/s Tenth St	4	2019 - present
WxCS	E318154	Wexford Ck ~20m d/s confluence of N and main arm	4	2019 - present
NALT	E287699	Nanaimo River u/s Haslam Ck ~500m d/s hwy bridge	12	2011 - present
NALT	E215789	Nanaimo River at Cedar Rd bridge	9	2014 - present
NALT	E321395	Richards Creek 5m u/s Frames Rd	3	2020 - present
VIU MABRRI	E290487	Beck Creek @ Cedar Rd	11	2012 - present
NALT	E310147	Holden Creek off East side of Lazo Lane	5.5	2017 – present*

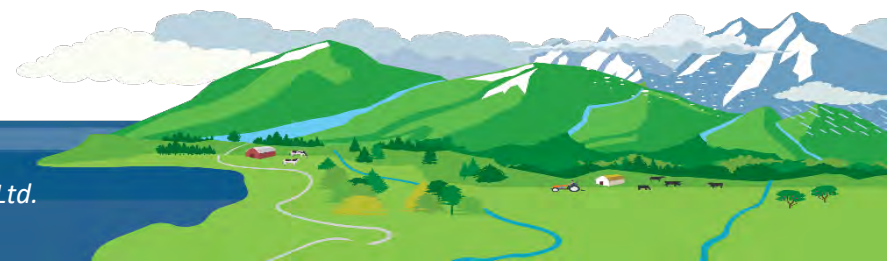
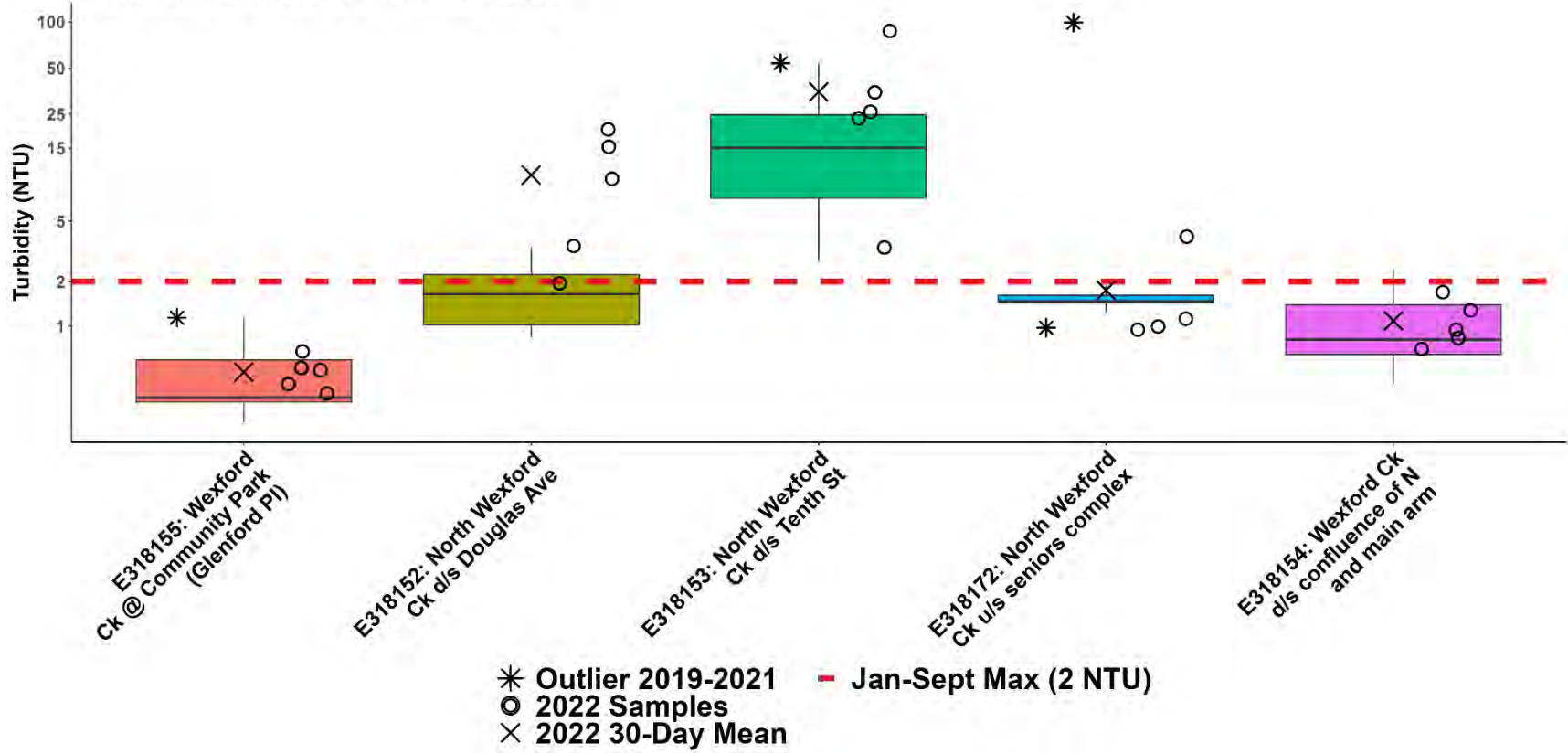
**Sampled in 2017 fall period only.*



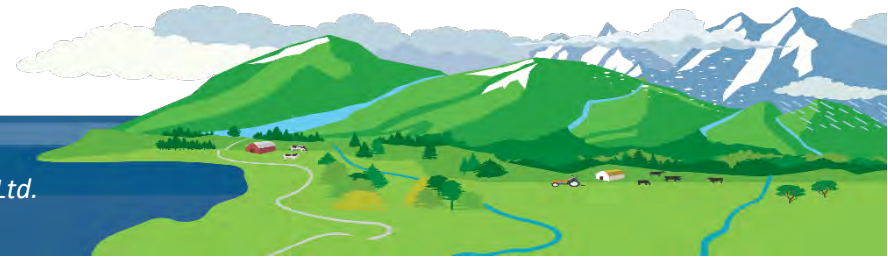
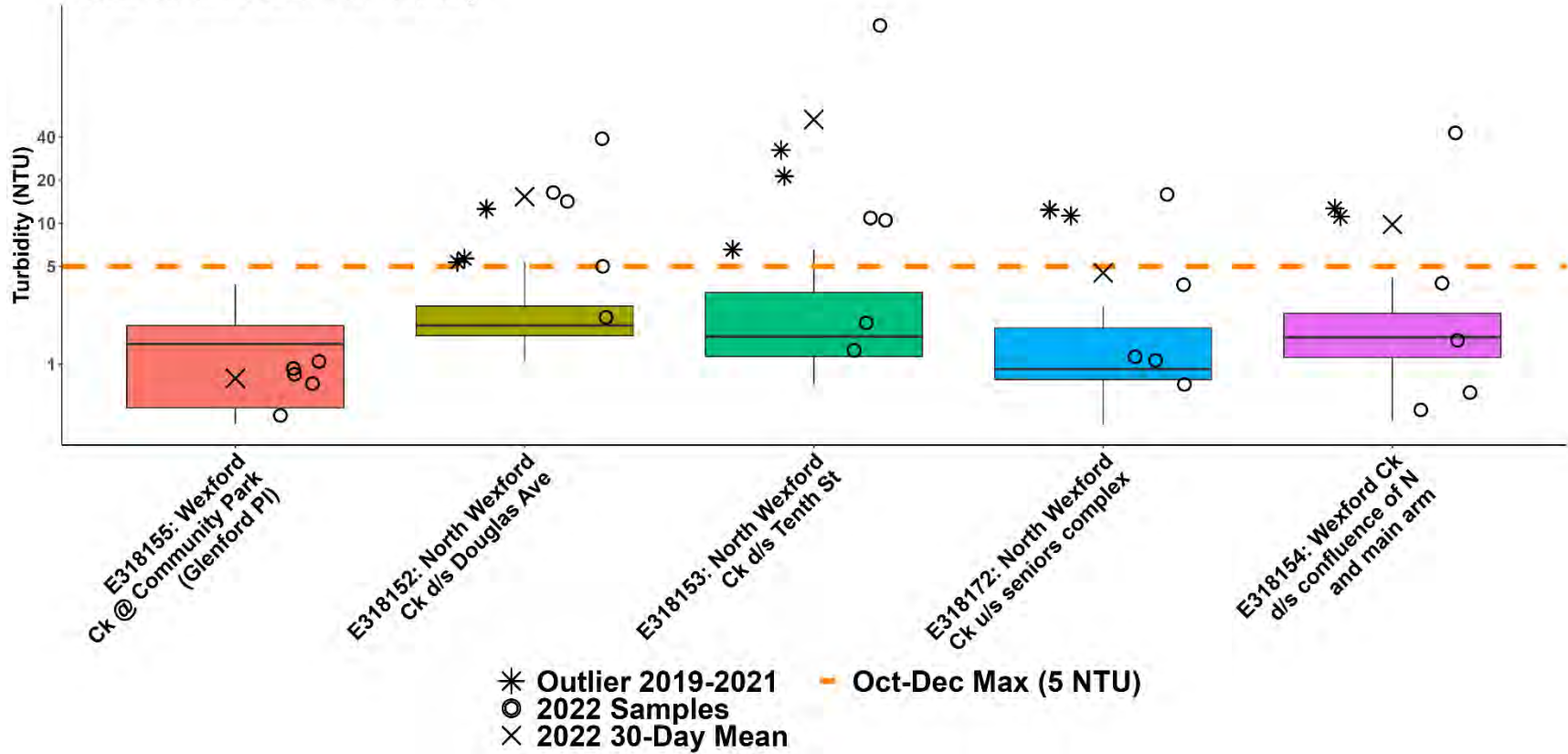
How to Interpret a Box Plot:



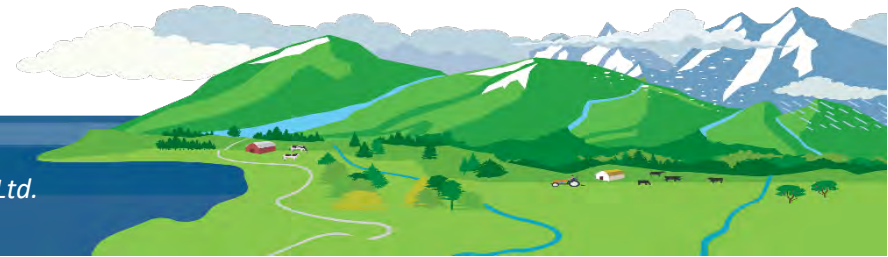
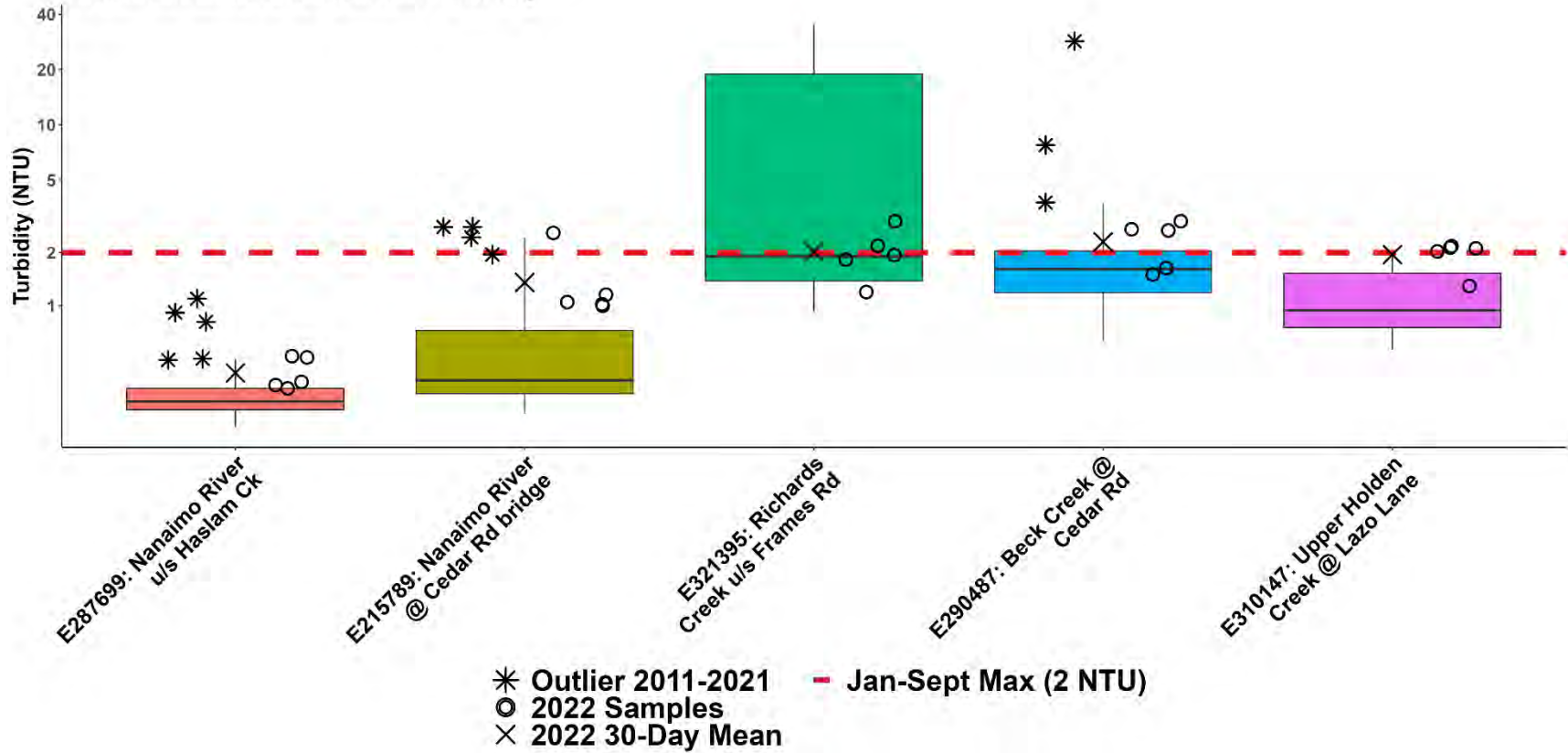
WR6a: Nanaimo River Summer Turbidity



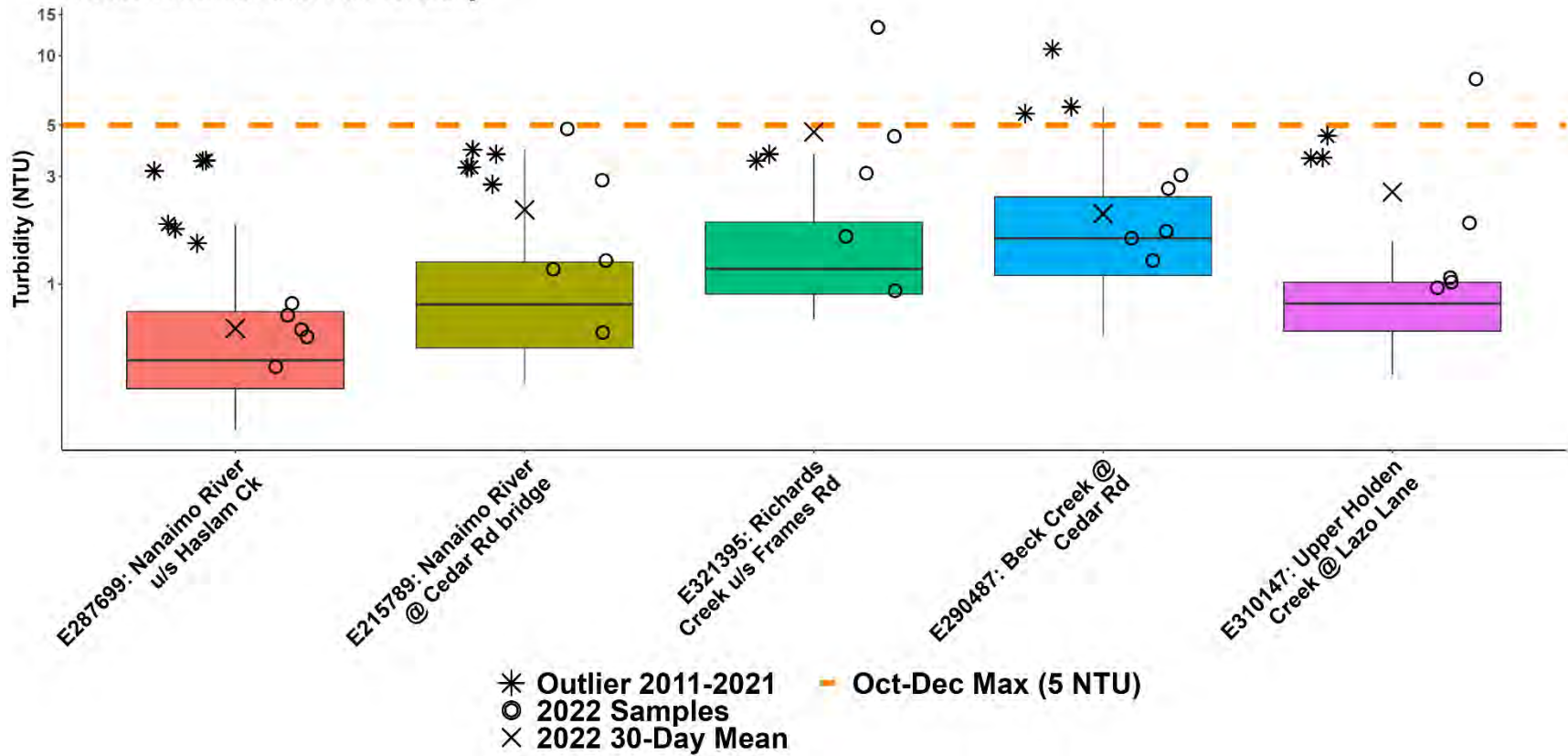
WR6a: Nanaimo River Fall Turbidity



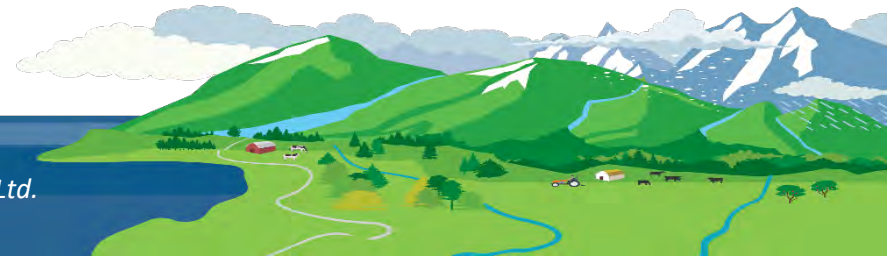
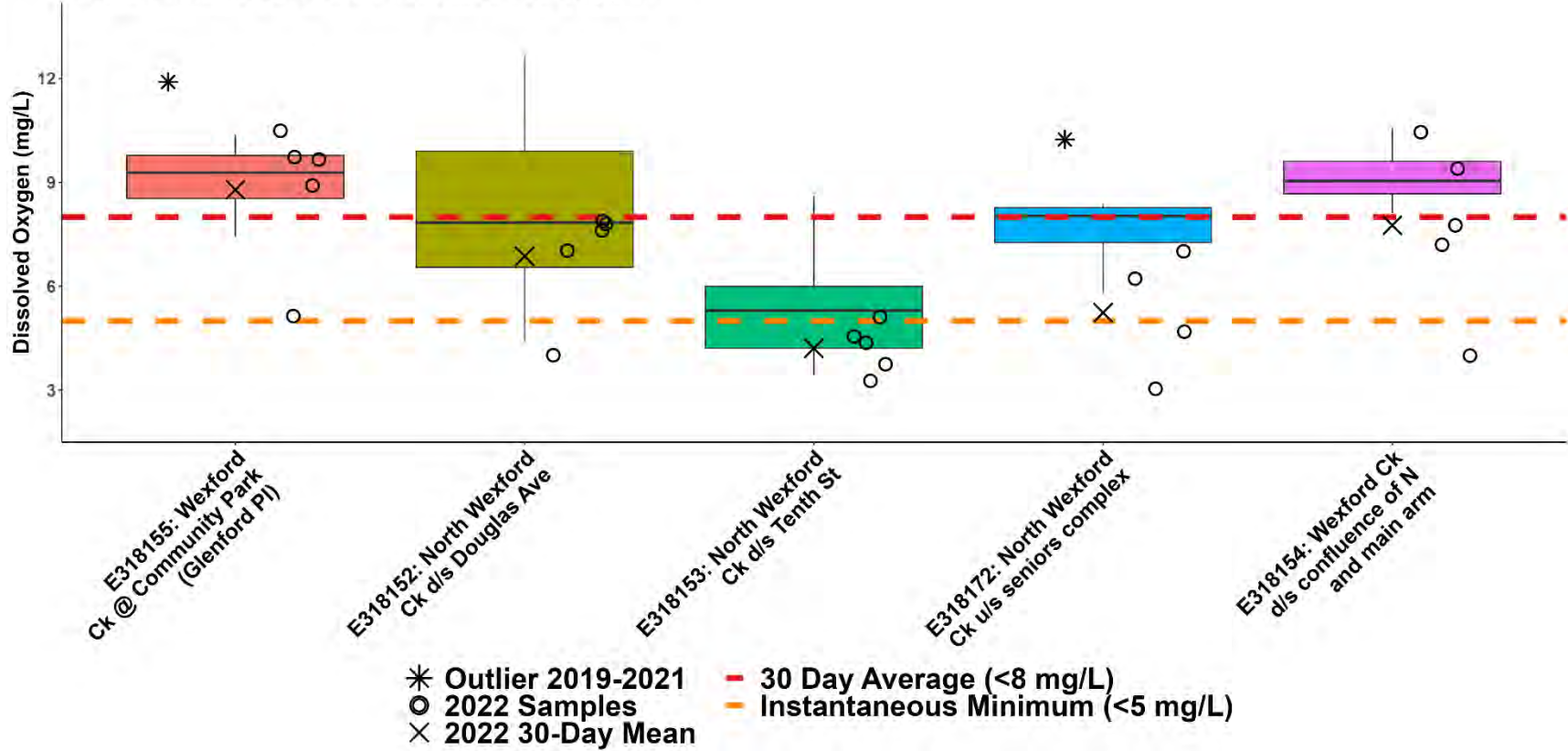
WR6b: Nanaimo River Summer Turbidity



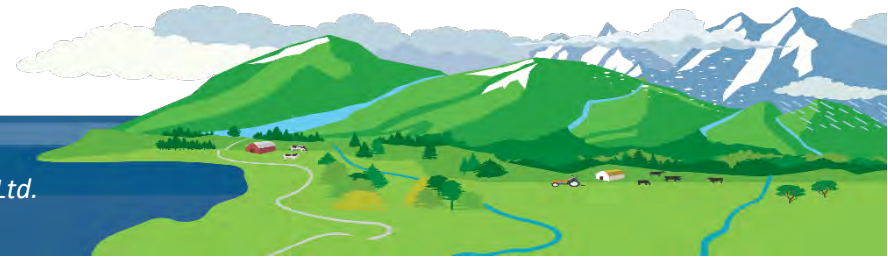
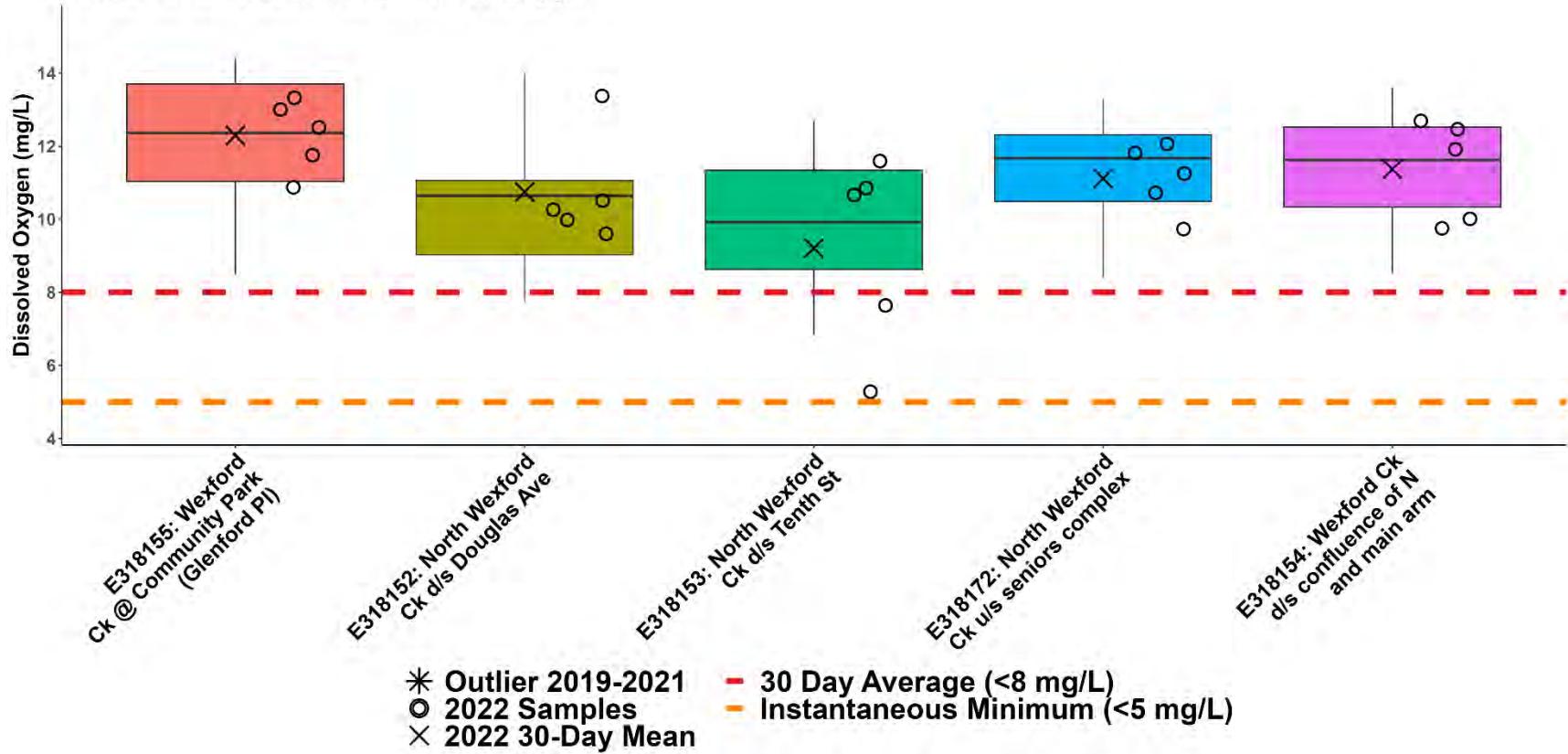
WR6b: Nanaimo River Fall Turbidity



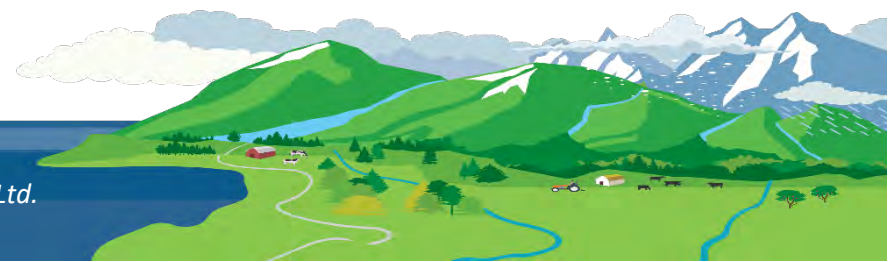
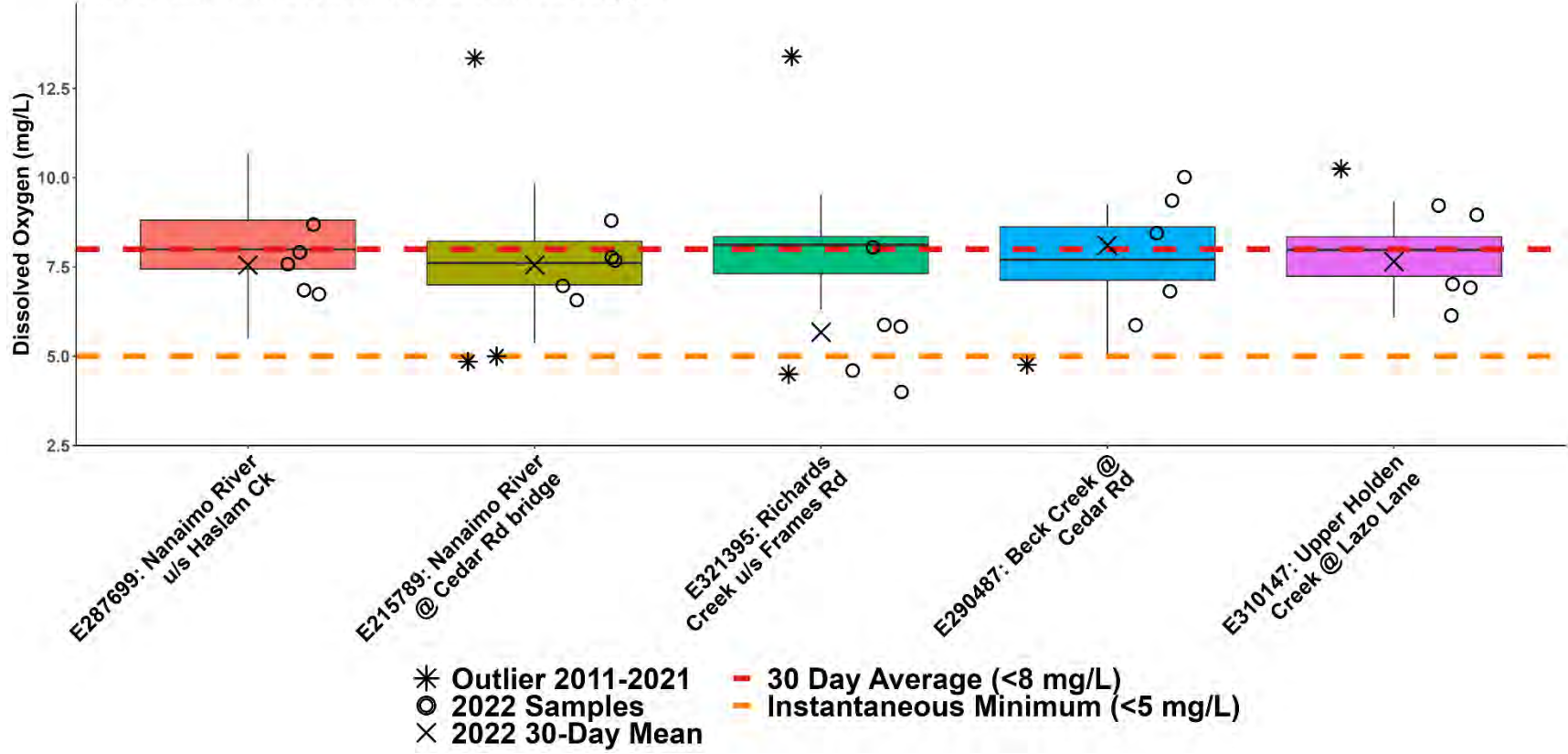
WR6a: Nanaimo River Summer Dissolved Oxygen



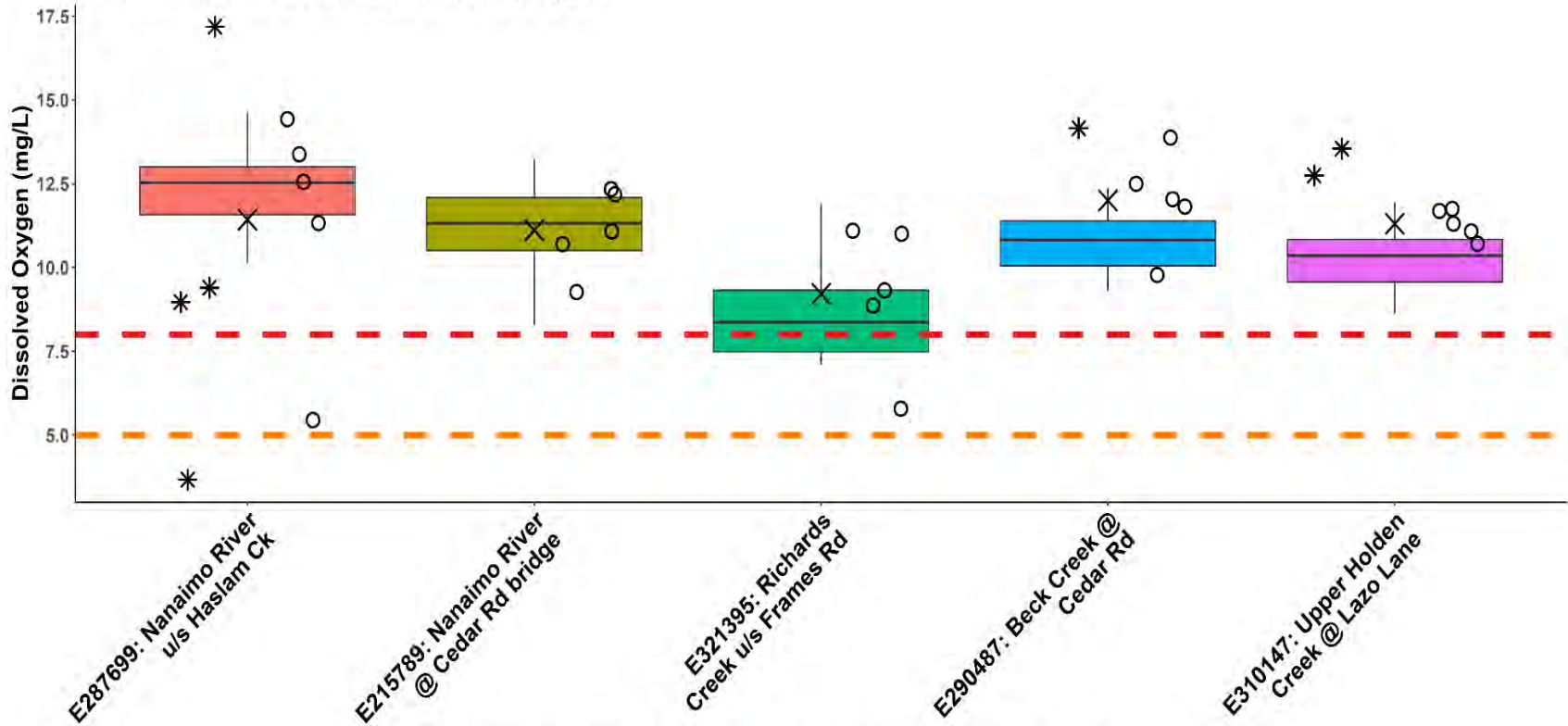
WR6a: Nanaimo River Fall Dissolved Oxygen



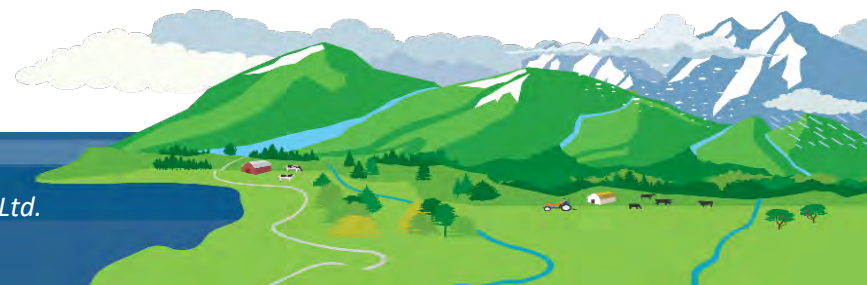
WR6b: Nanaimo River Summer Dissolved Oxygen



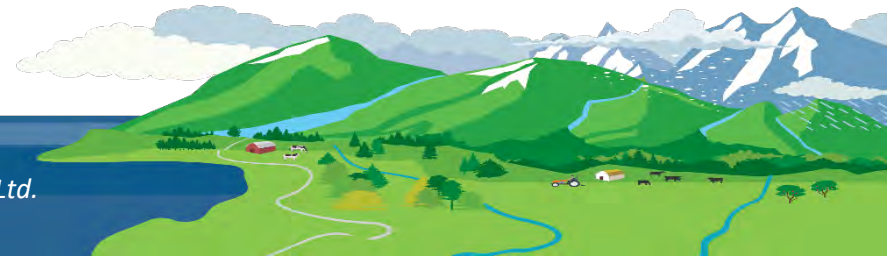
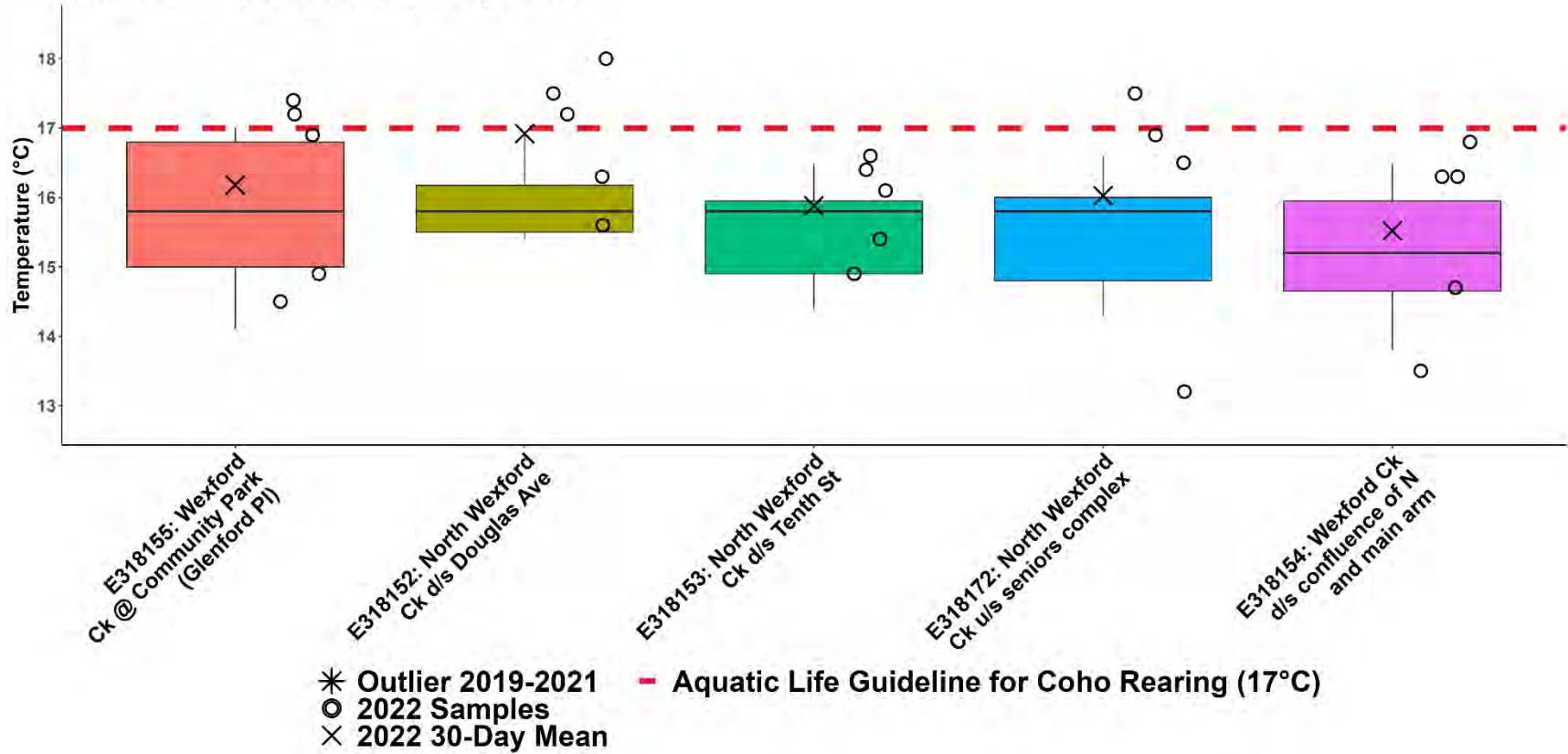
WR6b: Nanaimo River Fall Dissolved Oxygen



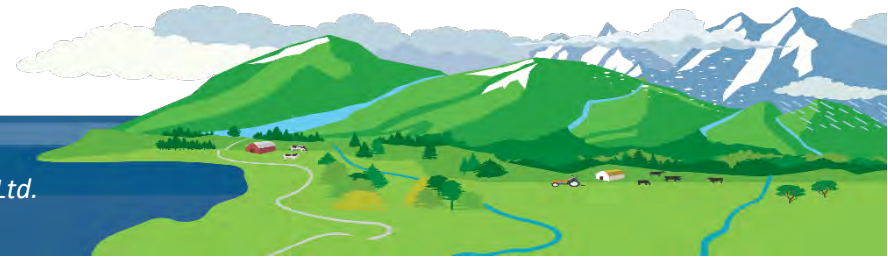
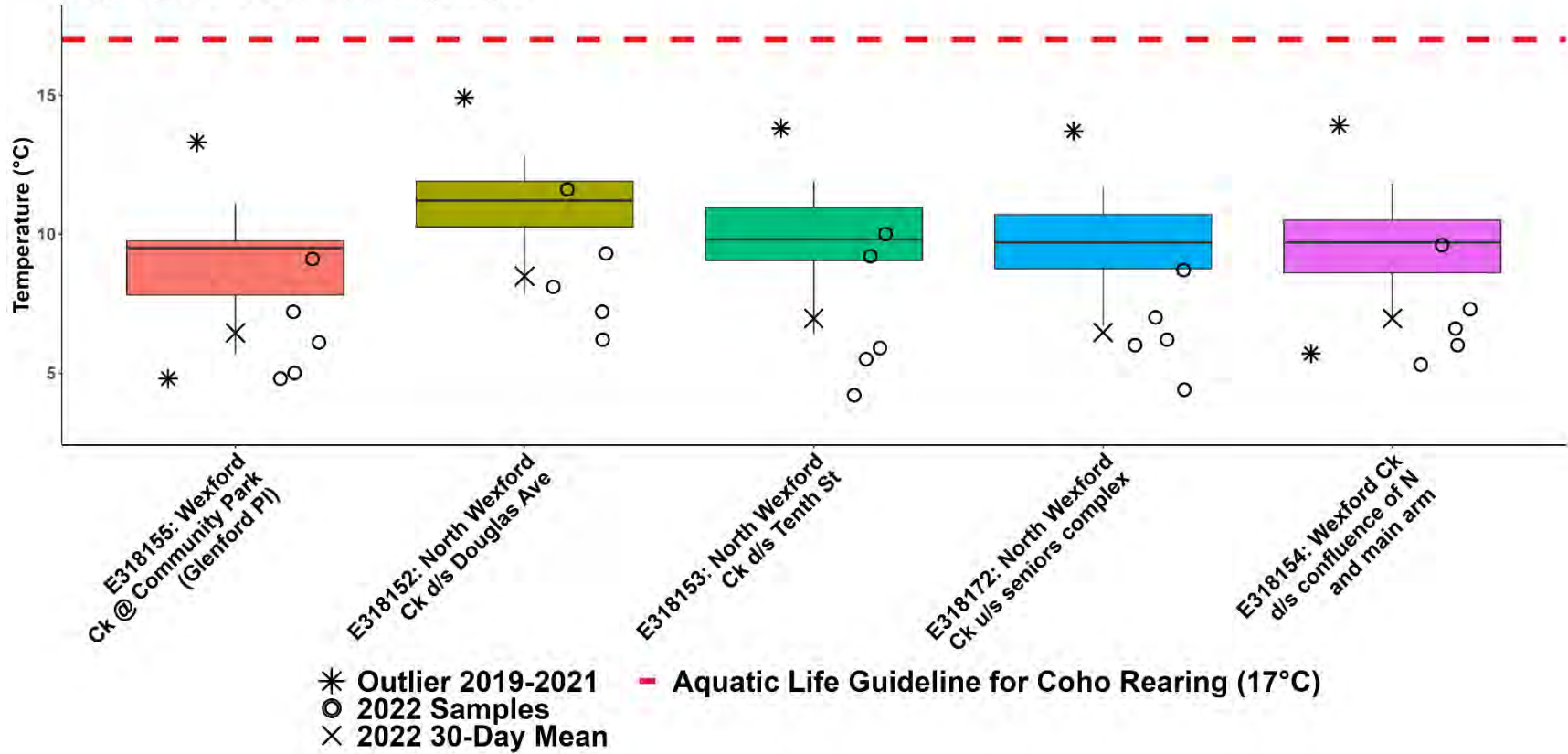
* Outlier 2011-2021 - 30 Day Average (<8 mg/L)
 ○ 2022 Samples - Instantaneous Minimum (<5 mg/L)
 × 2022 30-Day Mean



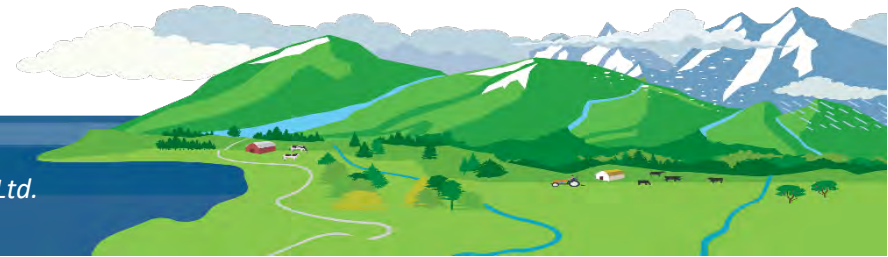
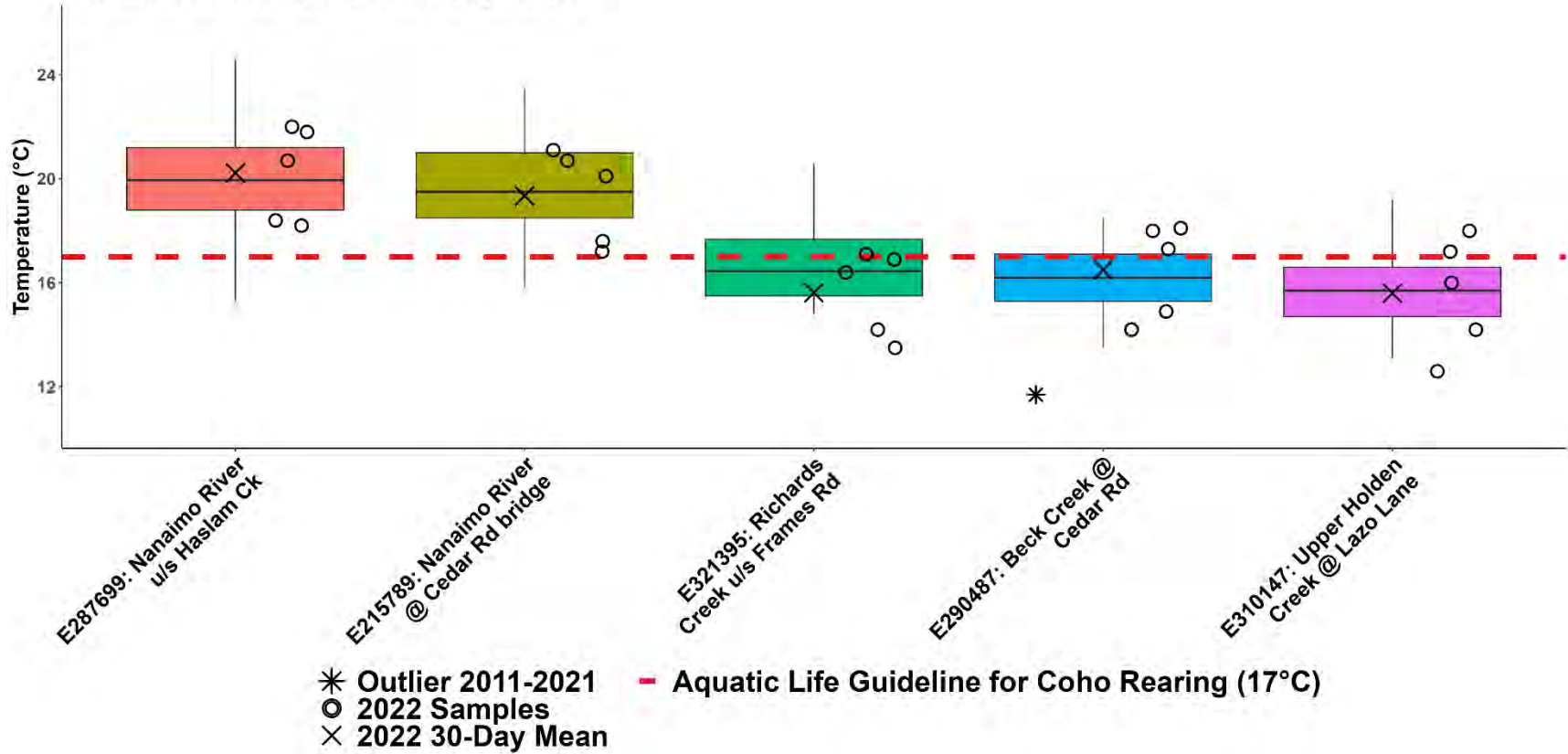
WR6a: Nanaimo River Summer Temperature



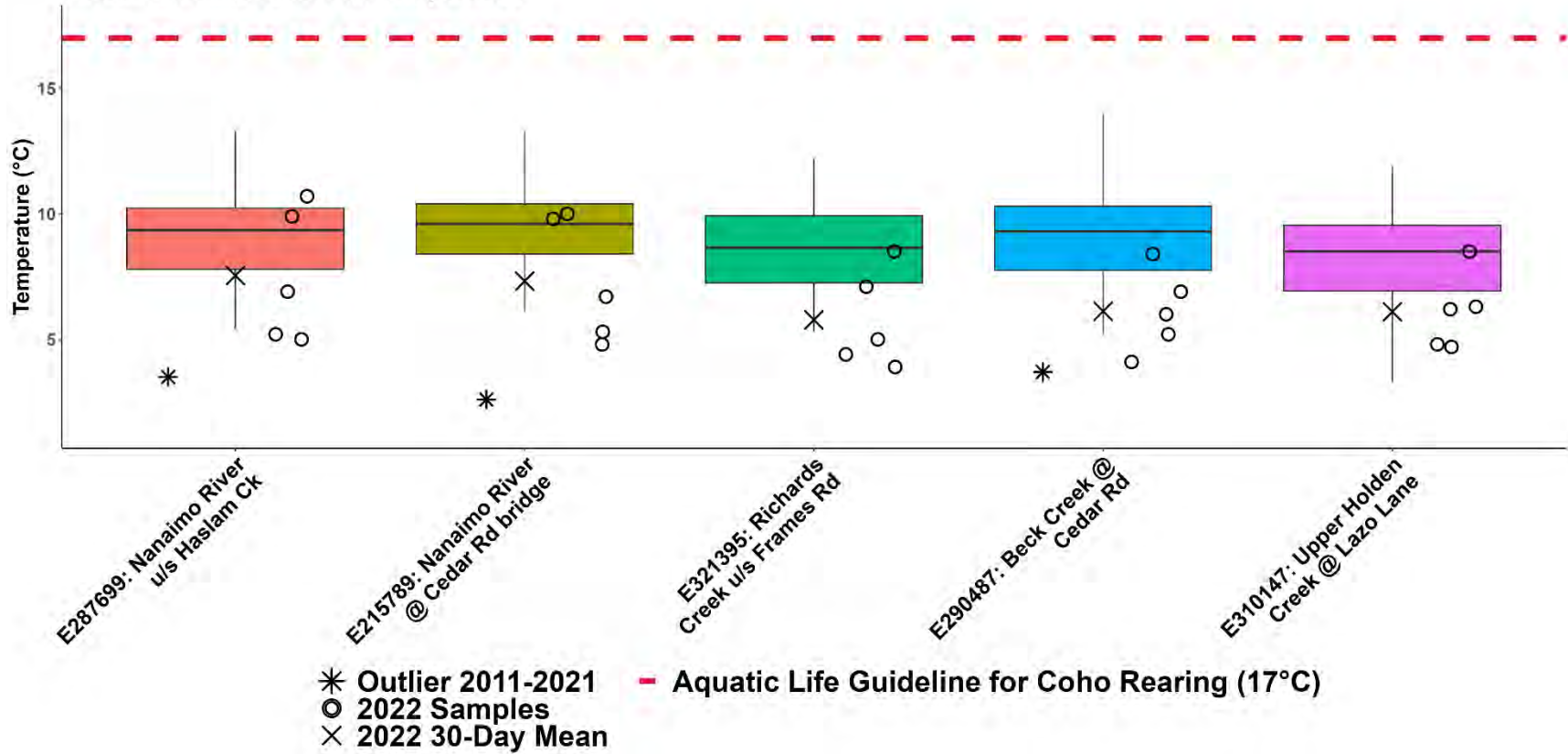
WR6a: Nanaimo River Fall Temperature



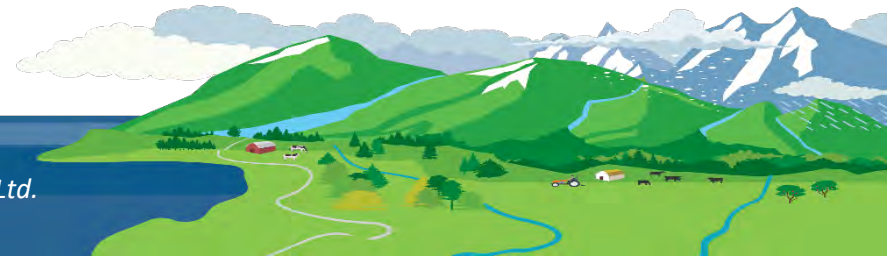
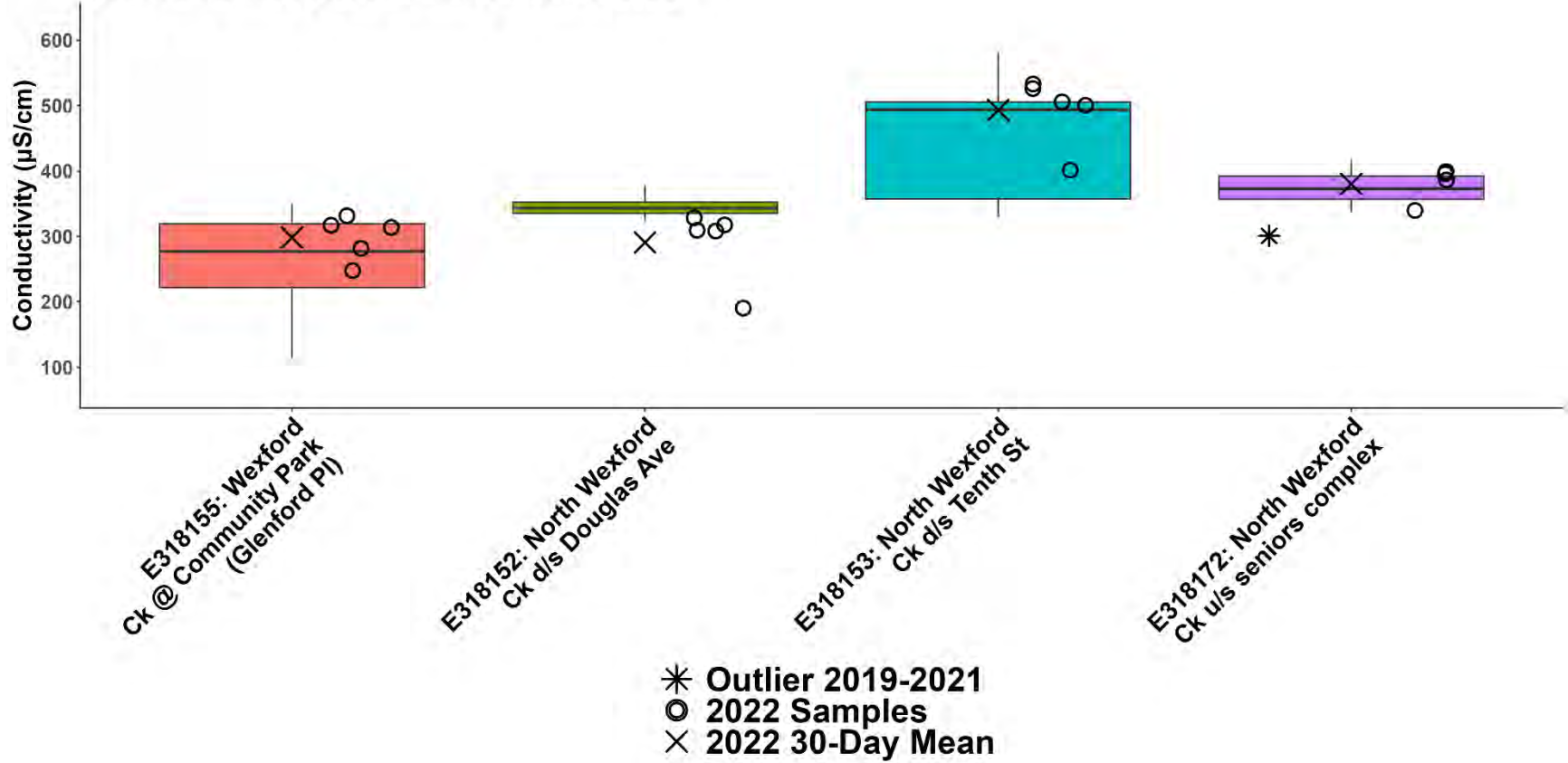
WR6b: Nanaimo River Summer Temperature



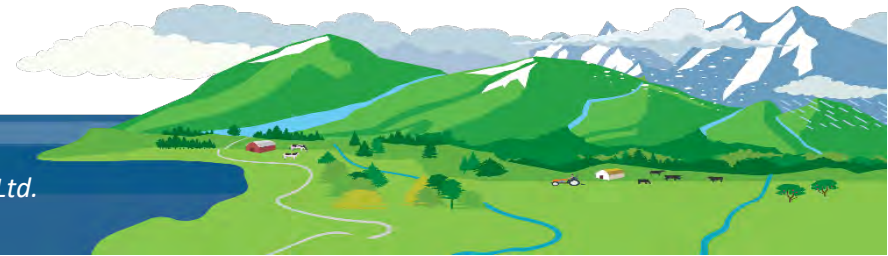
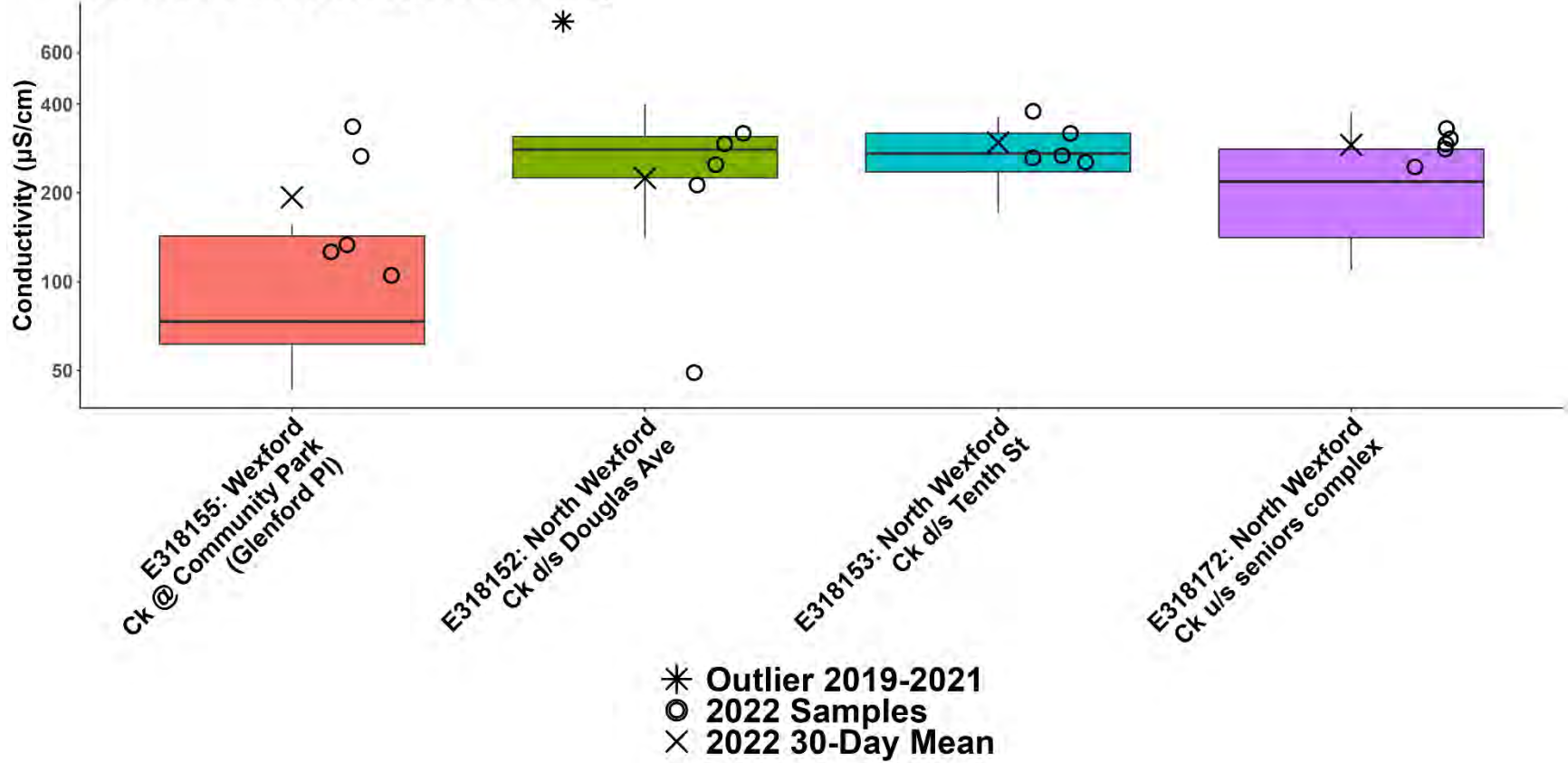
WR6b: Nanaimo River Fall Temperature



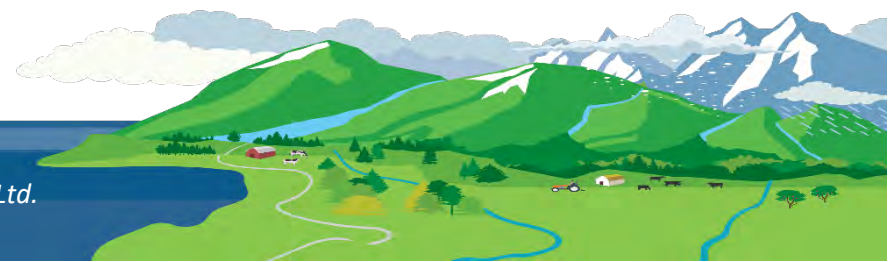
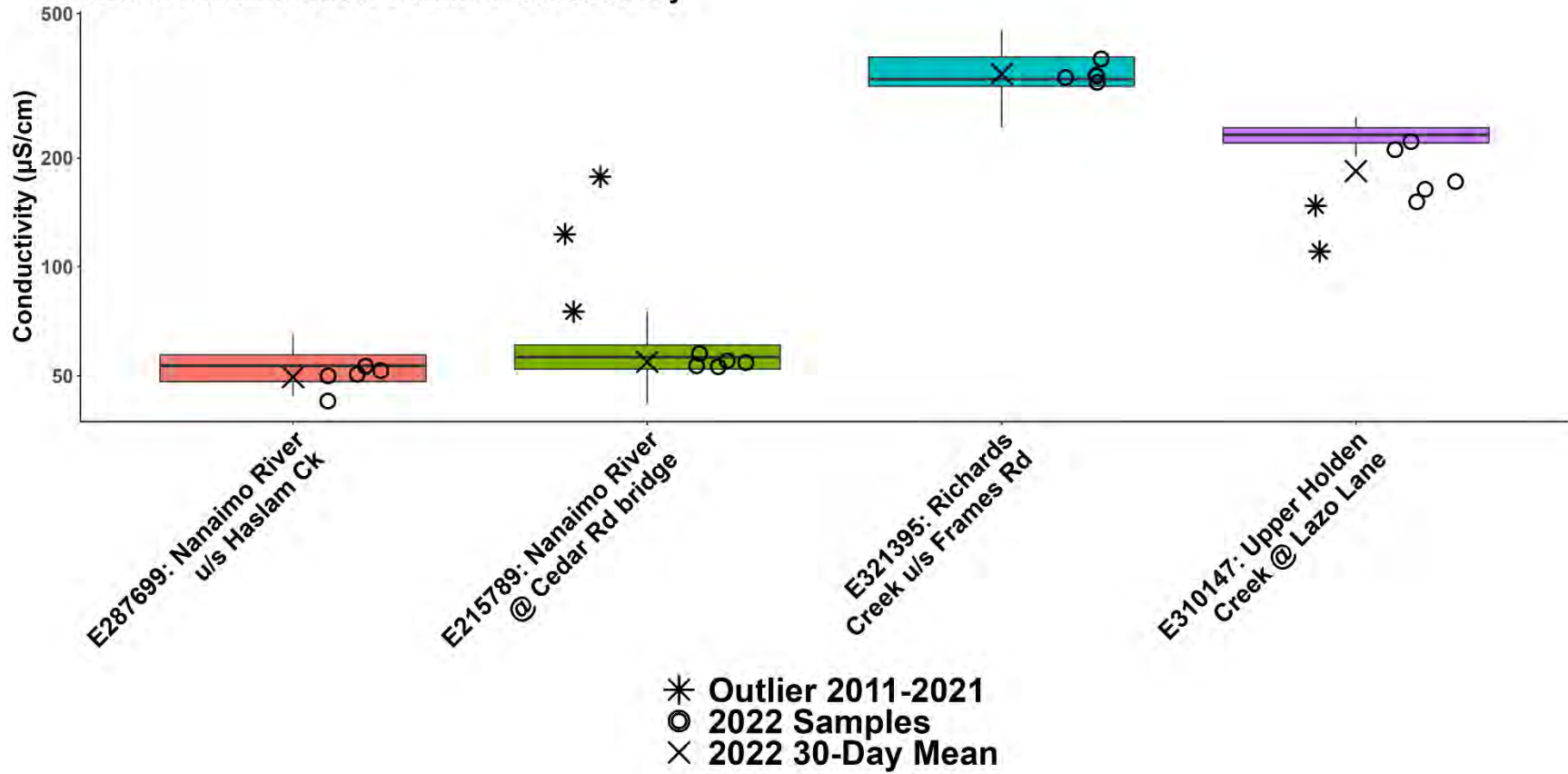
WR6a: Nanaimo River Summer Conductivity



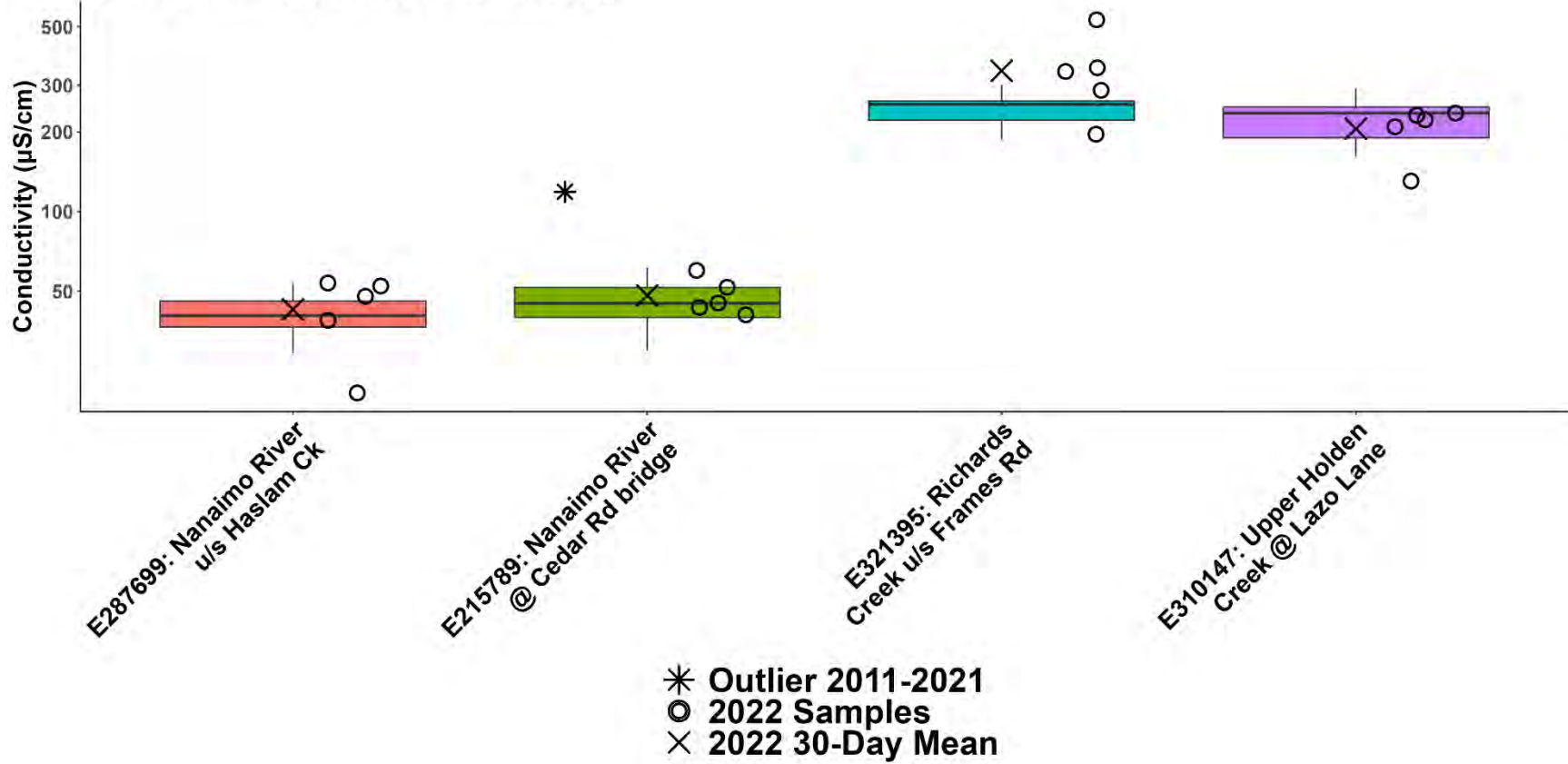
WR6a: Nanaimo River Fall Conductivity

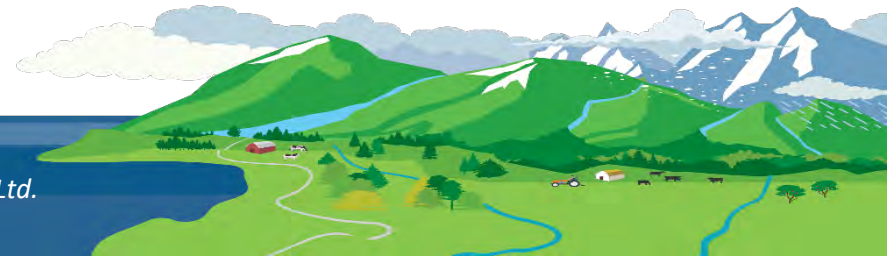
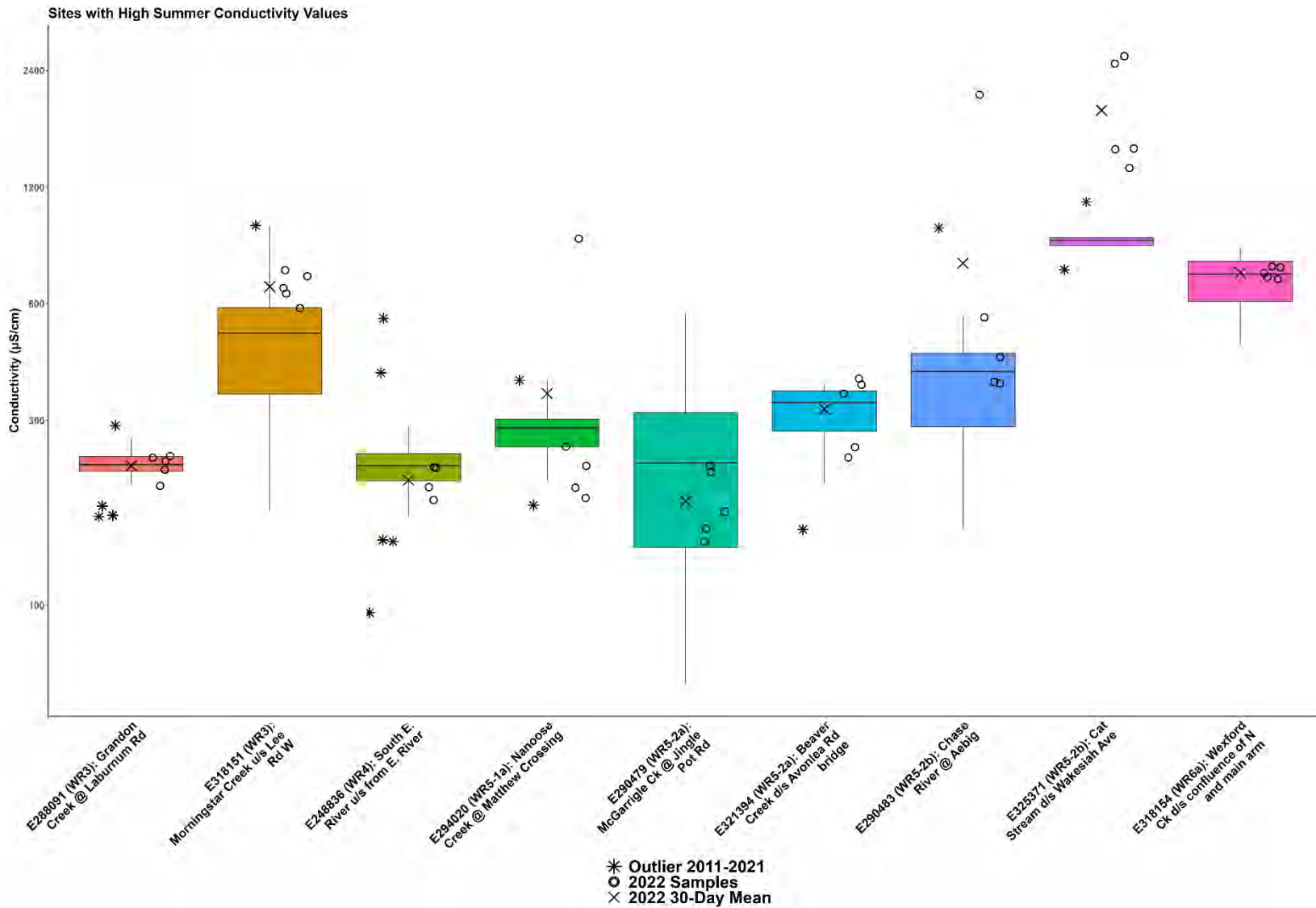


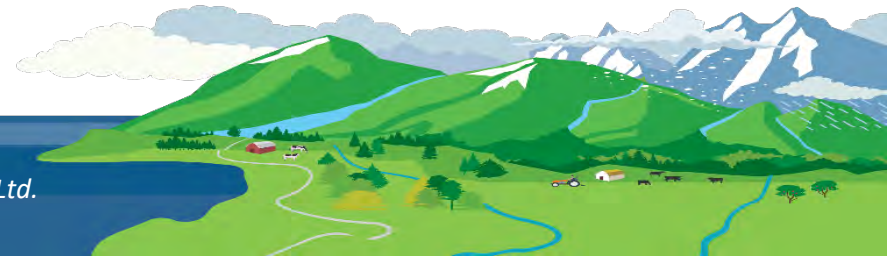
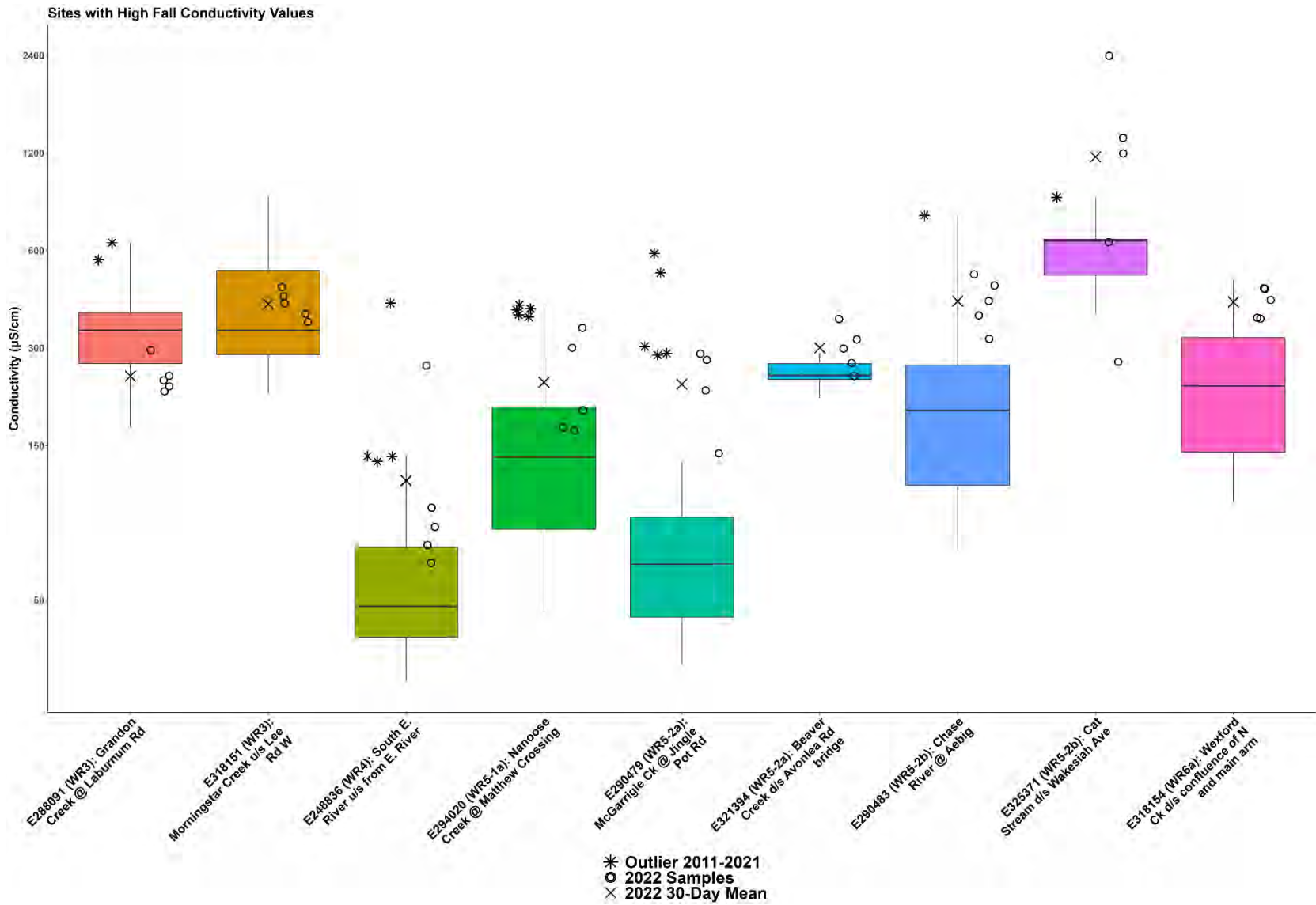
WR6b: Nanaimo River Summer Conductivity

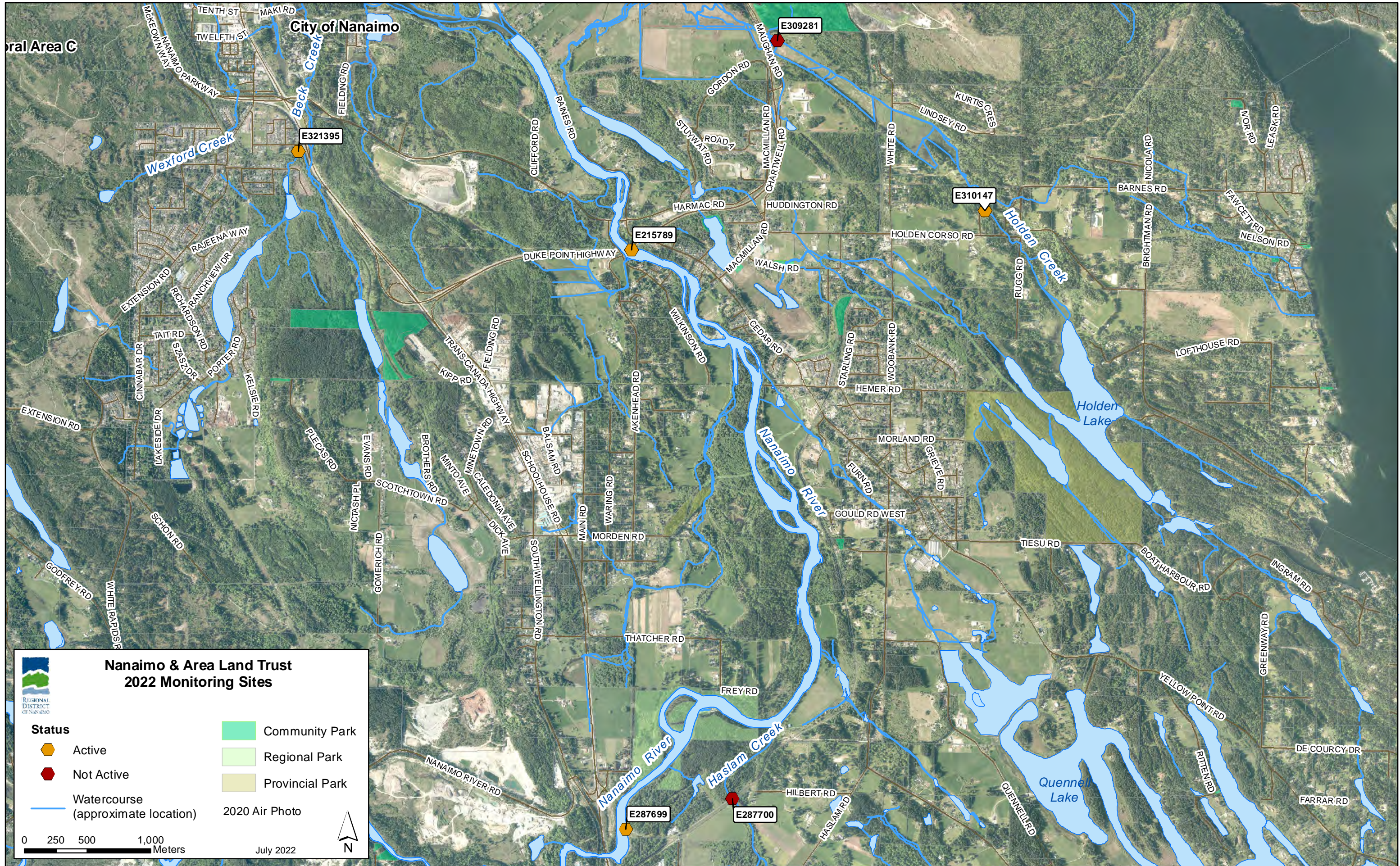


WR6b: Nanaimo River Fall Conductivity









**Nanaimo & Area Land Trust
2022 Monitoring Sites**

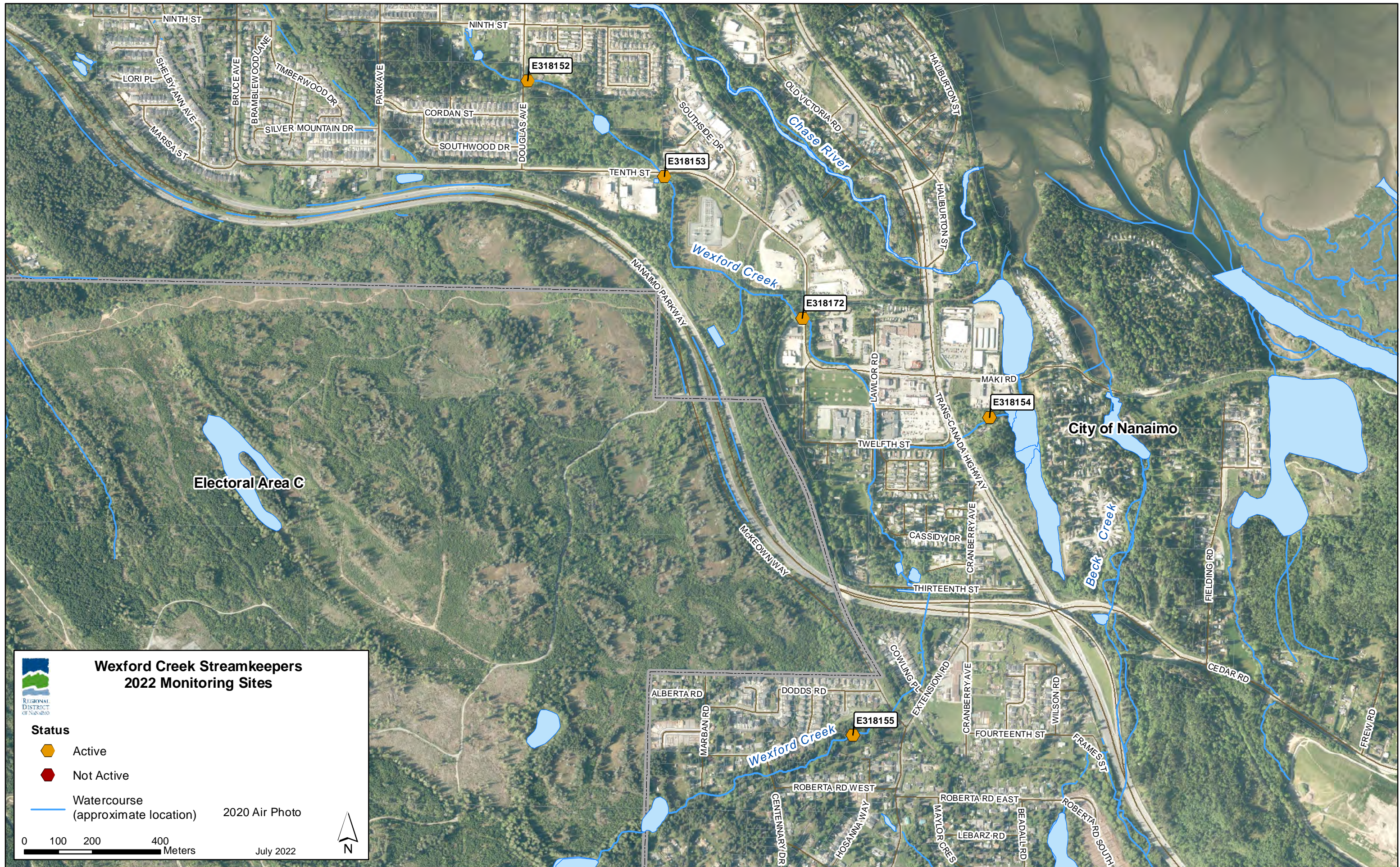
Regional District of Nanaimo

Status		Community Park
		Active
		Not Active
		Regional Park
		Provincial Park
		Watercourse (approximate location)
		2020 Air Photo

0 250 500 1,000 Meters

July 2022

N



Electoral Area C

City of Nanaimo

Chase River

Wexford Creek

Beck Creek

Wexford Creek

E318152

E318153

E318172

E318154

E318155

NINTH ST

NINTH ST

TENTH ST

TWELFTH ST

THIRTEENTH ST

FOURTEENTH ST

ROBERTA RD SOUTH

LORI PL

SILVER MOUNTAIN DR

CORDAN ST

SOUTHWOOD DR

SOUTHIDE DR

HALIBURTON ST

HALIBURTON ST

MAKI RD

CASSIDY DR

CRANBERRY AVE

CEDAR RD

ALBERTARD

DODDS RD

COWLING PL

EXTENSION RD

CRANBERRY AVE

WILSON RD

FRAMES ST

ROBERTA RD WEST

ROBERTA RD EAST

MAYLOR CRES

LEBARZ RD

BEADALL RD

CENTENNARY DR

HOSANAWA WAY

MARBAN RD

SHELBURN AVE

BRUCE AVE

BRAMBLEWOOD LAINE

TIMBERWOOD DR

PARK AVE

MARISA ST

SILVER MOUNTAIN DR

CORDAN ST

SOUTHWOOD DR

DOUGLAS AVE

SOUTHIDE DR

OLD VICTORIA RD

HALIBURTON ST

HALIBURTON ST

MAKI RD

CASSIDY DR

CRANBERRY AVE

CEDAR RD

ALBERTARD

DODDS RD

COWLING PL

EXTENSION RD

CRANBERRY AVE

WILSON RD

FRAMES ST

ROBERTA RD WEST

ROBERTA RD EAST

MAYLOR CRES

LEBARZ RD

BEADALL RD

CENTENNARY DR

HOSANAWA WAY

MARBAN RD



**Vancouver Island University
Mount Arrowsmith Biosphere Region
Research Institute
2022 Monitoring Sites**

Status

- ⬠ Active
- ⬠ Not Active
- Watercourse (approximate location)

2020 Air Photo

0 100 200 400 Meters

July 2022

N

Electoral Area C

City of Nanaimo